

**EAST Search History****EAST Search History (Prior Art)**

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	2	("0440526").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/05/11 14:16
S2	2	("5791823").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/05/11 14:16
S3	2	("6390735").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/11/09 10:00
S4	2	("4560305").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/05/11 14:17
S6	2	EP-659976-\$.DI D.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/11 14:17
S7	0	GB-1177882-\$.DI D.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/11 14:17
S9	82	(405/259.1).ccls. and (rock adj bolt) and anchor	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/14 13:47
S11	3	(405/259.1).ccls. and (rock adj bolt) and (anchor same (longitudinal adj bore))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/14 08:59

S12	1	(405/259.1).ccls. and (rock adj bolt) and anchor and swage	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/14 14:51
S13	7	(405/259.1).ccls. and (rock adj bolt) and anchor and (bonding adj material)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/14 13:02
S14	7	(405/259.1).ccls. and (yielding adj rock adj bolt)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/14 13:03
S15	1535	(405/259.1,259.5).ccls. 52/155.ccls. and (rock adj bolt) and anchor	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/11/09 10:10
S16	70	405/259.5.ccls. and (rock adj bolt) and anchor	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/14 14:10
S17	2	405/259.5.ccls. and (yield\$3 adj rock adj bolt) and anchor	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/14 14:11
S19	1	((405/259.1,259.5).ccls. 52/155.ccls.) and ((rock adj bolt) and (anchor same (longitudinal adj bore)) and (bonding adj material))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/11/09 10:11
S20	135	((405/259.1,259.5).ccls. 52/155.ccls.) and ((rock adj bolt) and anchor)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/14 14:57
S21	72	((405/259.1,259.5).ccls. 52/155.ccls.) and ((rock adj bolt) and anchor and grout)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/14 14:57
S22	1	("20050042037").pn.	US-PGPUB; USPAT; USOCR	OR	ON	2007/11/09 09:30
S23	1	("6390735").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/11/09 09:30

S24	2	WO-2004055327-\$.DID.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2007/11/09 09:32
S25	41	(405/259.1,259.5,259.6,302.2).ccls. and (sleeve with (reduced smaller undersize restrict))	US-PGPUB; USPAT; USOCR	OR	ON	2007/11/09 12:12
S26	20	(405/259.1,259.5,259.6,302.2).ccls. and (sleeve same (bore with (reduced smaller undersize restrict)))	US-PGPUB; USPAT; USOCR	OR	ON	2007/11/09 10:00
S27	15	(405/259.1,259.5).ccls. and (sleeve same (bore with (reduced smaller undersize restrict)))	US-PGPUB; USPAT; USOCR	OR	ON	2007/11/09 10:10
S28	4	((52/155.ccls.) and (sleeve same (bore with (reduced smaller undersize restrict))))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/11/09 10:19
S29	16	("20020081159"   "20050042037"   "20050158127"   "20050207851"   "4440526"   "4560305"   "5791823"   "6390735").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/11/09 10:19
S30	24	(405/259.1,259.5,259.6,302.2).ccls. and (shaft with (reduced smaller undersize restrict))	US-PGPUB; USPAT; USOCR	OR	ON	2007/11/09 10:52
S31	0	("405").clas. and (shaft same (sleeve with swage))	US-PGPUB; USPAT; USOCR	OR	ON	2007/11/09 10:52
S32	0	("405").clas. and (shaft same sleeve same swage)	US-PGPUB; USPAT; USOCR	OR	ON	2007/11/09 10:55
S33	10	("405").clas. and (sleeve same swage)	US-PGPUB; USPAT; USOCR	OR	ON	2007/11/09 11:56
S34	3	(anchor same shaft same sleeve same swage)	US-PGPUB; USPAT; USOCR	OR	ON	2007/11/09 11:54
S35	1	("6820657").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/11/09 11:01
S36	0	(405/259.1,259.5,259.6,302.2).ccls. and ((bolt with (tapered adj shaft)) same sleeve)	US-PGPUB; USPAT; USOCR	OR	ON	2007/11/09 11:08
S37	19	(405/259.1,259.5,259.6,302.2).ccls. and ((bolt with shaft) same sleeve)	US-PGPUB; USPAT; USOCR	OR	ON	2007/11/09 11:08
S38	1	("405").clas. and (shaft same swage)	US-PGPUB; USPAT; USOCR	OR	ON	2007/11/09 11:53
S39	20	(anchor same shaft same sleeve same forg \$3)	US-PGPUB; USPAT; USOCR	OR	ON	2007/11/09 11:54
S40	27	("405").clas. and (sleeve same forg\$3)	US-PGPUB; USPAT; USOCR	OR	ON	2007/11/09 11:58
S41	5	("405").clas. and (bolt with solid with shaft)	US-PGPUB; USPAT; USOCR	OR	ON	2007/11/09 11:58
S42	4	(405/259.1,259.5,259.6,302.2).ccls. and ((rock adj bolt) and (solid with shaft))	US-PGPUB; USPAT; USOCR	OR	ON	2007/11/09 12:13
S43	26	(405/259.1,259.5,259.6,302.2).ccls. and (@PD>"20071015")	US-PGPUB; USPAT; USOCR	OR	ON	2008/07/15 15:50

S44	7	(52/155.ccls.) and (@PD> "20071015")	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/07/15 16:08
S45	2	("6447228").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/07/15 16:56
S46	2	("7037058").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/07/15 16:58
S47	2	("5791828").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/07/15 16:58
S48	2	("6033153").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/07/15 16:58
S49	53	("1848142"   "2804797"   "3128666"   "3191486"   "3455200"   "3602000"   "3695045"   "3797254"   "3967455"   "4011787"   "4055051"   "4092814"   "4144796"   "4173918"   "4312604"   "4353463"   "4516886"   "4564315"   "4662795"   "4704053"   "4904122"   "4954018"   "4984937"   "5009549"   "5222835"   "5233730"   "5256015"   "5328300"   "5375946"   "5397202"   "5531545"   "5556233"   "5586839"   "5624212"   "5791823"   "5882148"   "5919006"   "6030151"   "6074134"   "6273646").PN. OR ("2002/0081159"   "2005/0042037"   "2005/0158127"   "2005/0207851"   "2006/0093438"   "5112160"   "6390735"   "6402433"   "6698980").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2008/07/16 16:44
S50	16	("20040136789"   "3304829"   "3978674"   "4305687"   "4360292"   "4798501"   "5233730"   "5586839"   "5624212"   "5785463"   "5954455"   "6074134"   "6402433"   "6527482").PN. OR ("7037046").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2008/07/16 16:44
S51	2	WO-9405900-\$ DID.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/07/17 07:06

S52	2	("7037046").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	OFF	2008/12/22 08:19
S53	16	("20040136789"   "3304829"   "3978674"   "4305687"   "4360292"   "4798501"   "5233730"   "5586839"   "5624212"   "5785463"   "5954455"   "6074134"   "6402433"   "6527482").PN. OR ("7037046").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2008/12/22 08:19
S54	201	fergusson.in.	US-PGPUB; USPAT; USOCR	OR	ON	2008/12/22 08:23
S55	690	rock adj bolt	US-PGPUB; USPAT; USOCR	OR	ON	2008/12/22 08:23
S56	11	S54 and S55	US-PGPUB; USPAT; USOCR	OR	ON	2008/12/22 08:23
S57	30	("2006813"   "2898964"   "3021745"   "3091991"   "3108443"   "3641772"   "3797254"   "3859889"   "4127000"   "4343399"   "4430025"   "4432682"   "4564315"   "4652194"   "4744699"   "4820095"   "4850746"   "5011354"   "5054146"   "5076734"   "5273377"   "5387060"   "5562377"   "6033153").PN. OR ("6447228").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2008/12/22 08:28
S58	20	(405/259.1,259.5,259.6,302.2).ccls. and (@PD>"20080701")	US-PGPUB; USPAT; USOCR	OR	ON	2008/12/22 08:34
S59	7	(52/155.ccls.) and (@PD>"20080701")	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/12/22 08:36
S60	1732	hedrick.in.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2008/12/22 09:05
S61	1996	rock adj bolt	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2008/12/22 09:06
S62	9	S60 and S61	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2008/12/22 09:06
S63	116	(405/259.4).ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/12/22 15:27

S64	979	(405/259.1).ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/12/22 16:02
S66	376	(411/383,384).ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2008/12/29 10:09
S69	31	(411/82,930,82.3,5,383,384).ccls. and (rock near3 bolt)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2008/12/29 10:11
S70	73	(411/82,930,82.3,5,383,384).ccls. and rock	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2008/12/29 10:11
S71	42	S70 not S69	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2008/12/29 10:11
S72	976	(411/82,930,82.3,5).ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2008/12/29 10:16
S73	376	(411/383,384).ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2008/12/29 10:21
S74	976	(411/82,930,82.3,5).ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2008/12/29 10:21
S75	367	S73 not S74	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2008/12/29 10:21
S76	2	GB-2141804-\$.DID.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/12/29 10:31
S77	2	("4440526").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	OFF	2008/12/29 10:38

S78	4	(yielding adj rock adj bolt) and anchor and debond\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/12/29 11:00
S79	5	(rock adj bolt) and anchor and debond\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/12/29 11:01
S80	9	(rock with bolt) and anchor and debond\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/12/29 11:02
S81	14	(yield\$4 with rock with bolt) and (anchor same shaft)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/12/29 11:11
S82	0	AU-1565302-\$ did.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/12/29 11:14
S83	0	AU-15653/02-\$ did.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/12/29 11:14
S84	0	AU-03262248-\$ did.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/12/29 11:17
S85	0	AU-3262248-\$ did.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/12/29 11:17
S86	273	(rock with bolt) and (anchor same shaft)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/12/29 11:19
S87	67	(rock adj bolt) and (anchor same shaft)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/12/29 11:19

S88	7	(yield\$4 with rock with bolt) and ((reduce reduced smaller) with shaft)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/12/29 11:35
S89	33	(rock adj bolt) and ((reduce reduced smaller) with shaft)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/12/29 11:36
S90	84	(yield\$4 with rock with bolt) and (reduce reduced smaller)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/12/30 09:53
S91	4	(rock adj bolt) same ((reduce reduced smaller) with (shaft bore) with anchor)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/12/30 10:10
S92	23	(rock adj bolt) same ((reduce reduced smaller) with anchor)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/12/30 10:11
S93	244	(rock adj bolt) same (reduce reduced smaller)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/12/30 10:14
S94	228	S93 not S90	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/12/30 10:15
S95	976	(411/82,930,82.3,5).cols.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2008/12/30 11:10
S96	2	("3750519").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	OFF	2008/12/31 06:58
S97	27	(405/259.1,259.5,259.6,302.2).cls. and (@PD>"20081201")	US-PGPUB; USPAT; USOCR	OR	ON	2009/09/29 15:39
S98	14	("2525198"   "3651651"   "4312604"   "4472088"   "4474516"   "4631889"   "4696606"   "5688066"   "6048149"   "6273655"   "6579049"   "6599059"   "RE32645").PN. OR ("7465128").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/09/29 15:47

S99	25	(411/82,930,82.3,5,383,384).ccls. and (@PD>"20081201")	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2009/09/29 15:52
S100	15	(52/155.ccls.) and (@PD>"20081201")	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/09/29 15:55
S101	2	("3750519").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	OFF	2009/09/29 15:59

**EAST Search History (Interference)**

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	7	((bolt same wide same narrow) and anchor).clm.	US-PGPUB; USPAT; UPAD	OR	ON	2009/09/30 15:46
L2	2	(bolt and (shaft same wide same narrow) and anchor).clm.	US-PGPUB; USPAT; UPAD	OR	ON	2009/09/30 15:48
L3	2	(bolt and shaft and (anchor same wide same narrow)).clm.	US-PGPUB; USPAT; UPAD	OR	ON	2009/09/30 15:49
L4	3	(bolt and shaft and anchor and wide and narrow).clm.	US-PGPUB; USPAT; UPAD	OR	ON	2009/09/30 15:49
L5	3	(bolt and shaft and anchor and (narrow adj portion)).clm.	US-PGPUB; USPAT; UPAD	OR	ON	2009/09/30 15:50
L6	1	(bolt and shaft and anchor and (wide adj portion)).clm.	US-PGPUB; USPAT; UPAD	OR	ON	2009/09/30 15:51
L7	0	6 not 5	US-PGPUB; USPAT; UPAD	OR	ON	2009/09/30 15:51
L8	0	(bolt and shaft and anchor and (relatively adj wide)).clm.	US-PGPUB; USPAT; UPAD	OR	ON	2009/09/30 15:52
L9	0	(bolt and shaft and anchor and (relatively adj narrow)).clm.	US-PGPUB; USPAT; UPAD	OR	ON	2009/09/30 15:52

9/30/2009 3:53:21 PM

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